(19) World Intellectual Property Organization

International Bureau





PCT

(43) International Publication Date 1 December 2005 (01.12.2005)

(51) International Patent Classification:

(21) International Application Number:

C12Q 1/44 (2006.01)

PCT/US2005/012948

C12Q 1/61 (2006.01)

(22) International Filing Date: 14 April 2005 (14.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/563,078 16 April 2004 (16.04.2004) US

(71) Applicant (for all designated States except US): GLAXO GROUP LIMITED [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).

(72) Inventors; and

- (75) Inventors/Applicants (for US only): SHOU, Yaping [CN/US]; 5 Moore Drive, Research Triangle Park, NC 22709 (US). WALKER, George, T. [US/US]; 5 Moore Drive, Research Triangle Park, NC 22709 (US). SIU, Yin-Fai [US/US]; 5 Moore Drive, Research Triangle Park, NC 22709 (US).
- (74) Agents: LOCKENOUR, Andrea, V. et al.; Glaxo-SmithKline, Corporate Intellectual Property, UW2220, 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406-0939 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

(10) International Publication Number $WO\ 2005/113797\ A3$

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

Published:

with international search report

ning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report: 22 June 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the begin-

(54) Title: METHODS FOR DETECTING Lp-PLA2 ACTIVITY AND INHIBITION OF Lp-PLA2 ACTIVITY

(57) Abstract: This invention relates to methods for determining the activity of Lp-PLA2 in at least one sample from an animal. The invention also relates to methods for determining the inhibition of Lp-PLA2 activity in samples from animals that are administered an Lp-PLA2 inhibitor.

